

Appendix C

Sources of GPS Information

Listed below are other sources of GPS information:

a. Civil GPS Service GPS Information Center. The GPS Information Center (GPSIC) of the U.S. Coast Guard operates under the Civil GPS service Steering Committee. The GPSIC will receive GPS status messages from the U.S. Air Force's 2nd Satellite Control Squadron (2SCS), located in Colorado Springs, and disseminate the information via a bulletin board. Current services include current constellation status, future schedule outages, and an almanac suitable for making GPS coverage and satellite visibility predictions. This bulletin board, a voice recording, and live information is accessible 24 hr a day, 7 days a week.

GPSIC voice recording (703) 313-5907

GPSIC live information (703) 313-5900

For Bulletin Board Information:

Comm. Parameters: 8 data bits, 1 stop bit, no parity
Modem access # (703) 313-5910

b. GPS satellite clock behavior and related information. Information on satellite clock behavior and related GPS information can be obtained from:

U.S. Naval Observatory
Washington, DC 20392-5100

Telephone Lines: (202) 653-0068, 0155, 1079
Baud Rates: 1200, 2400, or 9600
Comm. parameters: 8 data bits, 1 stop bit, no parity
terminate lines with CR/LF]
Internet access: Telnet to tycho.usno.navy.mil
(192.5.41.239)
Log in as ads
Comments to: adsmgr@tycho.navy.mil

USNO Series 4 Weekly Bulletins: Received by mail, they contain information on the status of GPS including GPS time steering and satellite clock behavior.

For operational comments, contact the Time Service Department of the National Observatory at (202) 653-1525 for further assistance.

c. General GPS bulletin boards. There are several bulletin board services (BBS) that list general GPS information.

(1) Holloman AFB. Provides daily almanac, observed range errors, comments on the satellites, and the OCS Advisories. Requires full duplex, 8 data bits, 1 stop bit, no parity, or full duplex, 7 data bits, 1 stop bit, odd or even parity.

300 to 2400 baud: (505) 679-1525
Live system operator: (505) 679-1657

(2) Free hourly almanac:

Global Satellite Software, Inc.
5339 Prospect Road, Suite 239
San Jose, CA 95129
Telephone: (408) 252-7358
Baud Rate: 300 to 9,600
Contact: (408) 252-7490 for further
information.

(3) Post-broadcast ephemeris data:

Associated Consulting Inc.
2245 N. Decatur Blvd.
Las Vegas, NV 89108
Telephone: (702) 647-9266
Baud: 300 to 14,400
System operator: (702) 647-9265

d. Precise GPS orbit information. There are various agencies or firms that provide GPS orbit information:

(1) Government. Precise orbital positions and velocities based on post-computations of tracking data are available from NGS. Satellite orbital data are scheduled to be available two weeks after the tracking data are collected. For further descriptions on formats, fee schedule, or to order data, contact:

NOAA, National Geodetic Survey, N/CG174
1315 East-West Highway
Silver Spring, MD 20910-3282
Telephone: (301) 713-3242
Fax: (301) 713-4172

(2) Commercial. Precise orbit data are available from the Aero Service Division, Western Atlas International, using data obtained from its tracking network

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stations. For description of format, fee schedule, or to order data, contact:

Western Geophysical Division
A Division of Western Atlas Int'l
3600 Briarpark Drive
Houston, TX 77042-4299
Telephone: (713) 964-6345
Fax: (713) 964-6555

e. Performance evaluation of GPS survey equipment.

For information on equipment tested or to comment on the GPS satellite survey system, contact:

GPS Test Coordinator
National Geodetic Survey Division, N/CG14
1315 East-West Highway
Silver Spring, MD 20910-3282
Telephone: (301) 713-3242
Fax: (301) 713-4172

f. General Information on GPS for USACE Personnel can be obtained from:

U.S. Army Topo Engrg Center
ATTN: CETEC-TD-AG
7701 Telegraph Road
Alexandria, VA 22315-3864

Phone: (703) 428-6766
Fax: (703) 428-8176